Title (en)

STIMULATION TOOL HAVING A SEALED IGNITION SYSTEM

Title (de)

STIMULATIONSGERÄT MIT VERSIEGELTEM ZÜNDSYSTEM

Title (fr)

OUTIL DE STIMULATION PRESENTANT UN SYSTEME D'ALLUMAGE ETANCHEIFIE

Publication

EP 1875040 A4 20150304 (EN)

Application

EP 06769865 A 20060421

Priority

- US 2006014991 W 20060421
- US 11424405 A 20050425

Abstract (en)

[origin: US2006237190A1] An apparatus for stimulating a subterranean formation includes a first tube, a second tube, a combustion body and an ignition propagator. The second tube is positioned within the first tube interior and the second tube interior is sealed from the first tube interior to substantially prevent fluid communication between the first tube interior and the second tube interior. The combustion body is formed from a solid propellant and is positioned within the first tube interior external to the second tube interior. The ignition propagator is positioned within the second tube interior and is substantially free from fluid contact with fluid residing in the surrounding environment external to the first tube wall.

IPC 8 full level

E21B 21/00 (2006.01); **E21B 43/263** (2006.01)

CPC (source: BR EP NO US)

E21B 43/263 (2013.01 - BR EP NO US); E21B 43/11 (2013.01 - BR)

Citation (search report)

- [XAI] US 5690171 A 19971125 - WINCH PETER CLIVE [AU], et al
- [XA] FR 1220159 A 19600523 - PETROLEUM TOOL RES
- [A] US 5046567 A 19910910 - AITKEN JOHN [US], et al
- [A] WO 9604521 A2 19960215 - MARATHON OIL CO [US]
- See references of WO 2006116023A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006237190 A1 20061026; **US 7353866 B2 20080408**; BR PI0608333 A2 20091201; BR PI0608333 B1 20170718; CA 2603764 A1 20061102; CA 2603764 C 20120918; CN 101166886 A 20080423; CN 101166886 B 20120808; EA 013025 B1 20100226; EA 200702334 A1 20080428; EP 1875040 A2 20080109; EP 1875040 A4 20150304; EP 1875040 B1 20170712; MX 2007012919 A 20071212; NO 20076015 L 20080124; NO 343301 B1 20190121; WO 2006116023 A2 20061102; WO 2006116023 A3 20071206

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US 11424405 A 20050425; BR PI0608333 A 20060421; CA 2603764 A 20060421; CN 200680014050 A 20060421; EA 200702334 A 20060421; EP 06769865 A 20060421; MX 2007012919 A 20060421; NO 20076015 A 20071122; US 2006014991 W 20060421